

Click on an element to view its definition.

Taxonomic_Units	
Key Data	
tsn	[PK1]
Non-Key Data	
unit_ind1	
unit_name1	
unit_ind2	
unit_name2	
unit_ind3	
unit_name3	
unit_ind4	
unit_name4	
unnamed_taxon_ind	
usage	
unacceptability_reason	
taxonomic_credibility_rating	
taxonomic_completeness_rating	
currency_rating	
phylo_sort_sequence	
initial_time_stamp	
parent_tsn.tsn	[FK]
taxon_author_id	[FK]
hybrid_author_id.taxon_author_id	[FK]
kingdom_id	[FK]
rank_id	[FK]
update_date	

Table Name: **Taxonomic_Units**

Description:

@1 tsn +
 unit_ind1 +
 unit_name1 +
 unit_ind2 +
 unit_name2 +
 unit_ind3 +
 unit_name3 +
 unit_ind4 +
 unit_name4 +
 unnamed_taxon_ind +
 usage +
 unacceptability_reason +
 taxonomic_credibility_rating +
 taxonomic_completeness_rating +
 currency_rating +
 phylo_sort_sequence +
 initial_time_stamp +
 parent_tsn +
 taxon_author_id +
 hybrid_author_id +
 kingdom_id +
 rank_id +
 update_date



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Definition:

Legal taxon name and associated attributes for levels of taxonomic hierarchy structure from kingdom to genus; below genus, binomials/polynomials are identified.

ELEMENTS

Name: tsn	Element Size:	Table: Taxonomic_Units
Display Picture:	Data Type: SERIAL	Informix Name: tsn
Nullness: NOT NULL UNIQUE		Values List:
Data Source: SYSTEM GENERATED		
Validation Rules:		
A taxonomic serial number will be assigned for occurrences of Taxonomic Units at each level of the hierarchy through genus; at lower levels a tsn will be assigned to polynomial occurrences.		
Description: Taxonomic Serial Number. The unique identifier for an occurrence of Taxonomic Units.		

Name: unit_ind1	Element Size: 1	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unit_ind1
Nullness: NULL		Values List: X
Data Source: CHOICE LIST		
Validation Rules: Applicable to the kingdom Plantae.		
Description: Indicator of an occurrence of a plant hybrid at the generic level.		

Name: unit_name1	Element Size: 35	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unit_name1
Nullness: NOT NULL		Values List:
Data Source: USER ENTERED		
Validation Rules: For monomials this will be the only name field entered. For binomials/polynomials, this field will be used for the first part of the name. The names in this position require the initial letter to be capitalized.		
Description: The singular or first part of a scientifically accepted label for an occurrence of Taxonomic Units.		

Name: unit_ind2	Element Size: 1	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unit_ind2
Nullness: NULL		Values List: X
Data Source: CHOICE LIST		Validation Rules:
Description: A category indicator positioned between the first and second parts of a binomial/polynomial taxonomic name.		

Name: unit_name2	Element Size: 35	Table: Taxonomic_Units
Display Picture:	Data Type: VARCHAR	Informix Name: unit_name2
Nullness: NULL		Values List:
Data Source: USER ENTERED		

Validation Rules: **For binomials, this will be the last field populated for the name. For trinomials and quadrinomials, this will be the second position populated.**

Description: **The second part of a scientifically accepted label for a binomial/polynomial occurrence of Taxonomic Units.**

Name: unit_ind3	Element Size: 4	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unit_ind3
Nullness: NULL		
Values List: ssp.		
var.		
f.		
x		
Data Source: CHOICE LIST		

Validation Rules: **This element applies only to the kingdom Plantae.**

Description: **A category indicator located within a polynomial taxonomic name.**

Name: unit_name3	Element Size: 35	Table: Taxonomic_Units
Display Picture:	Data Type: VARCHAR	Informix Name: unit_name3
Nullness: NULL		Values List:
Data Source: USER ENTERED		

Validation Rules: **For trinomials this field will be populated with the last part of the taxonomic name. For quadrinomials and hybrid formulas this field will be populated with the third part of the name.**

Description: **The third portion of a scientifically accepted label for a polynomial occurrence of Taxonomic Units.**

Name: unit_ind4	Element Size: 4	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unit_ind4
Nullness: NULL		
Values List: var.		
f.		
Data Source: CHOICE LIST		

Validation Rules: **Applicable to the Plant kingdom.**

Description: **A category indicator located within a polynomial taxonomic name.**

Name: unit_name4	Element Size: 35	Table: Taxonomic_Units
Display Picture:	Data Type: VARCHAR	Informix Name: unit_name4
Nullness: NULL		Values List:
Data Source: USER ENTERED		
Validation Rules: This is the final position populated for quadrinomials or hybrid formulas.		
Description: The fourth part of a scientifically accepted label for a polynomial occurrence of Taxonomic Units.		

Name: unnamed_taxon_ind	Element Size: 1	Table: Taxonomic_Units
Display Picture:	Data Type: CHAR	Informix Name: unnamed_taxon_ind
Nullness: NULL		Values List: Y = Unnamed taxon
Data Source: CHOICE LIST		
Validation Rules: This field will need to populated only when an occurrence of Taxonomic Units possesses a non-standard name.		
Description: Indicator for occurrences of Taxonomic Units whose names represent unnamed taxa and are therefore not standard taxonomic names.		

Name: usage	Element Size: 12	Table: Taxonomic_Units
Display Picture:	Data Type: VARCHAR	Informix Name: usage
Nullness: NOT NULL		
Values List: accepted (plant)		
not accepted (plant)		
valid (animal)		
invalid (animal)		
Data Source: CHOICE LIST		
Validation Rules: Choice lists are dependent upon the values associated with a kingdom.		
Description: Current standing of an occurrence of Taxonomic Units.		

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Name: **unacceptability_reason** Element Size: **24** Table: **Taxonomic_Units**
Display Picture: Data Type: **VARCHAR** Informix Name: **unaccept_reason**
Nullness: **NULL**

Values List: **Animal and Plant:** **Plant:**
 database artifact **excluded**
 misspelling **homonym**
 nomen nudem **horticultural**
 illegitimate
Animal: **invalid**
 incertae sedis **misapplied**
 junior homonym **nomen invalidum**
 junior synonym **nomina utique rejicienda**
 nomen dubium **orthographic variant**
 other, see comments
 pro parte
 synonym

Data Source: **CHOICE LIST**

Validation Rules: **This element is required when usage is set to not accepted (plants) or invalid (animals). Only those reasons for a particular kingdom should be displayed.**

Description: **The cause for an occurrence of Taxonomic Units being identified as not accepted/invalid under the usage element.**

Name: **taxonomic_credibility_rating** Element Size: **40** Table: **Taxonomic_Units**
Display Picture: Data Type: **CHAR** Informix Name: **credibility_rating**
Nullness: **NULL**

Values List: **No review; non-peer reviewed source**
 No review; untreated NODC data
 Minimun taxonomic/nomenclature review
 TWG standards met

Data Source: **CHOICE LIST**

Validation Rules: **This element will be populated for all occurrences of the Taxonomic Units table. This element is entered by the TWG.**

Description: **A subjective rating designation as determined by the Taxonomic Work Group reflecting the level of review and the perceived level of accuracy for an occurrence of Taxonomic Units and its associated attributes.**



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Name: **taxonomic_completeness_rating** Element Size: **10** Table: **Taxonomic_Units**
Display Picture: Data Type: **CHAR** Informix Name: **completeness_rating**
Nullness: **NULL**
Values List: **unknown**

partial
complete

Data Source: **CHOICE LIST**

Validation Rules: **This element will be populated for occurrences of the Taxonomic Units table for which the rank is genus or above. Different ratings may occur for different rank levels. This element is populated by the TWG.**

Description: **A rating designation reflecting the extent of taxonomic completeness for a group.**

Name: **currency_rating** Element Size: **7** Table: **Taxonomic_Units**
Display Picture: Data Type: **CHAR** Informix Name: **currency_rating**
Nullness: **NOT NULL**
Values List: **unknown**

A specific date; e.g. 1993

Data Source: **USER ENTERED**

Validation Rules: **This element will be populated for rows within the Taxonomic Units table for which the taxon's rank is genus or above. Different ratings may occur at different rank levels.**

Description: **A rating designation reflecting the year of revision/source for a group.**

Name: **phylo_sort_sequence** Element Size: Table: **Taxonomic_Units**
Display Picture: Data Type: **SMALLINT** Informix Name: **phylo_sort_seq**
Nullness: **NULL** Values List:

Data Source: **CHOICE LIST**

Validation Rules: **This field is required for ranks from kingdom to order inclusive.**

Description: **A sequence for an occurrence of Taxonomic Units with ranks between kingdom and order, inclusive, that will allow output to be displayed in phylogenetic order.**

Name: **initial_time_stamp** Element Size: **12** Table: **Taxonomic_Units**
Display Picture: **ddmmyyhhmmss** Data Type: **DATETIME** Informix Name: **initial_time_stamp**
Nullness: **NOT NULL** Values List:

Data Source: **SYSTEM GENERATED**

Validation Rules:

Description: **Date and time at which an occurrence of Taxonomic Units is initially loaded into the ITIS database.**



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Name: **parent_tsn** Element Size: Table: **Taxonomic_Units**
Display Picture: Data Type: **INTEGER** Informix Name: **parent_tsn**
Nullness: **NOT NULL** Values List:
Data Source: **CHOICE LIST**
Validation Rules: **The parent must previously exist in the database or must be concurrently input with the subject Taxonomic Unit record.**
Description: **The taxonomic serial number for the direct parent of the subject occurrence of Taxonomic Units.**

Name: **taxon_author_id** Element Size: Table: **Taxon_Authors_Lookup**
Display Picture: Data Type: **SERIAL** Informix Name: **taxon_author_id**
Nullness: **NOT NULL UNIQUE** Values List:
Data Source: **SYSTEM GENERATED**
Validation Rules:
Description: **A unique identifier for the author(s) of a taxonomic name.**

Name: **hybrid_author_id** Element Size: Table: **Taxonomic_Units**
Display Picture: Data Type: **INTEGER** Informix Name: **hybrid_author_id**
Nullness: **NULL** Values List:
Data Source: **CHOICE LIST/USER ENTERED**
Validation Rules:
Description: **The unique identifier for the author(s) of a taxonomic name which has been identified as the second part of a hybrid formula.**

Name: **kingdom_id** Element Size: Table: **Kingdoms**
Display Picture: Data Type: **SERIAL** Informix Name: **kingdom_id**
Nullness: **NOT NULL UNIQUE**
Values List: **1 (Monera)**
 2 (Protista)
 3 (Plantae)
 4 (Fungi)
 5 (Animalia)
Data Source: **SYSTEM GENERATED**
Validation Rules:
Description: **A unique identifier for the highest level of the taxonomic hierarchy structure.**

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Name: rank_id	Element Size:	Table: Taxonomic_Unit_Types
Display Picture:	Data Type: SERIAL	Informix Name: rank_id
Nullness: NOT NULL UNIQUE		Values List:
Data Source: SYSTEM GENERATED		
Validation Rules:		
Description: A unique identifier for a specific level within the taxonomic hierarchy.		

Name: update_date	Element Size: 8	Table: All Tables
Display Picture: mm/dd/yy	Data Type: DATE	Informix Name: update_date
Nullness: NOT NULL		Values List:
Data Source: SYSTEM GENERATED		
Validation Rules:		
Description: The date on which a record is modified. The purpose of this element is to provide assistance to those downloading data on a periodic basis.		

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